

## PUBLIC MEETING SIGN-UP SHEET

DATE/TIME: Sept. 18, 2008 @ 6:00 PM

STAFF: CC, JC, LHK, KKS, KH, WT

CITY/ISLAND: Honolulu, Oahu

PLACE/ADDRESS: PUC Hearing Room, Room B-3, 465 So. King Street

DKT.NO./APPLICANT: Dkt. No. 2008-0083, HECO

SUBJECT: For Approval of Rate Increases and Revised Rate Schedules and Rules

**(PLEASE PRINT)**

	NAME	ORGANIZATION/ADDRESS
1.	Robert ALM	Hawaiian Electric Company
2.	Catherine Awakuni	Division of Consumer Advocacy
3.	Anselm Chuh (Provided by Testifier.)	Citizen/Consumer
4.	Holly Riplinger	business & residential customer
5.		

**Hawaiian Electric Company**  
**Public Hearing Statement**  
**Docket No. 2008-0083**  
**Hawaiian Electric Company Application for a Rate Increase**

**September 18, 2008**  
**Public Utilities Commission Hearing Room**

**Introduction**

Good evening Chairman Caliboso, Commissioner Cole, Commissioner Kondo, and members of the audience. My name is Robbie Alm and I am Executive Vice President of Public Affairs at Hawaiian Electric Company.

Let me begin by thanking all of our customers who came tonight to share their thoughts. It is important for us to know what is important to all of you.

We know that there's never a good time to ask for a rate increase. And it's an especially tough time now. We recognize that electric bills, along with everything from gasoline to airline tickets to marine transportation, have gone up considerably, driven by higher fuel costs. While we do not earn any profit on fuel costs, we know that's little comfort when you're facing higher bills. Indeed, Hawaiian Electric will continue to play a central role in helping Hawaii move away from fossil fuels.

We have a responsibility to meet both the current and future energy needs of our customers. That means continuing to make reliability investments and also working hard to encourage energy efficiency and conservation and to develop more renewable energy resources.

### **What will the rate increase be used for?**

The majority of this rate request is for increased reliability costs including higher operating and maintenance costs and to help cover more than \$375 million dollars in capital projects to be completed in 2008 or 2009.

Generating units and electric grids are not glamorous, but certainly are necessary. A strong electric system is needed both for reliable service, and to support more renewable energy and a future smart grid that can provide customers expanded options, including more control over their electric bills.

As an island state, we understand the need for greater energy independence. For too long we've relied on importing fossil fuels. Breaking that dependence requires us to develop additional renewable energy resources.

One of the major projects covered by this rate request to help us accomplish that goal is our new generating unit at Campbell Industrial Park, which will run entirely on renewable biodiesel. This represents a significant step towards "greening" our power grid on Oahu by adding a generating unit that burns biodiesel instead of fossil fuels, reducing greenhouse gas emissions.

Furthermore, the fuel used in this unit must meet Hawaiian Electric's strict sourcing policy. We've worked closely with the Natural Resources Defense Council to come up with a policy that will ensure our suppliers are following sustainable harvesting practices.

And we hope that eventually our biodiesel feedstocks will come from local suppliers. By creating a market for these crops, we can help support local agriculture and help keep our fields green.

over time. Sharp increases in the cost of steel and other industrial materials also are contributing to higher overall operating and maintenance costs.

**How will this impact Hawaiian Electric's customers?**

These days, everyone is watching every penny. As a result, most of our customers want to know how this will affect their electric bills, and rightly so. If approved, our tiered-rate structure would provide smaller percentage increases for those who use less electricity. For example, if the full request is approved, a "typical" residential customer using 600 kWh a month would see their bill increase by \$6.77.

Again, the tiered system we are proposing is intended to encourage conservation and lessen the impact on residential customers who use smaller amounts of electricity.

**Conclusion**

Thank you for this opportunity to briefly describe our rate increase application. As I mentioned earlier, we will be available after the public hearing to answer your questions and concerns.

**PUBLIC HEARING  
HAWAIIAN ELECTRIC COMPANY, INC.  
DOCKET NO. 2008-0083**

**Presentation of Catherine P. Awakuni, Executive Director  
Division of Consumer Advocacy  
Thursday, September 18, 2008, 6:00 P.M.  
Public Utilities Commission Hearing Room**

Good evening Chairman Caliboso, Commissioner Cole, and Commissioner Kondo. I am Catherine Awakuni, Executive Director of the Division of Consumer Advocacy ("Consumer Advocate"). The Consumer Advocate represents the interests of the consumers in public utility matters by advocating for reliable utility services at reasonable customer costs. I am here this evening to listen to the consumers' comments and concerns regarding Hawaiian Electric Company, Inc.'s ("HECO") request for approval to increase its rates and revise its rate schedules.

The Consumer Advocate is taking an independent look at HECO's request for Public Utilities Commission ("Commission") approval of its rate increase. We will confirm whether there is a need for the proposed rates and whether the rates proposed are necessary to ensure the provision of reliable service. After completing our review, we will file direct testimonies with the Commission explaining our analysis and recommendations. While we have begun our investigation, including conducting field inspections and witness interviews, we have not completed our analysis and are not able to state a position on the merits of HECO's request this evening.

If an evidentiary hearing is held on HECO'S application, the Consumer Advocate's analysts and consultants who submit direct testimonies will have an opportunity, as witnesses, to orally summarize their written testimonies before the Commission, and because an evidentiary hearing is a quasi-judicial proceeding, the witnesses will be subject to thorough cross-examination by all parties. Following the contested case hearing,

3



# Energy Information Administration

## Official Energy Statistics from the U.S. Government


[Home](#) > [Electricity](#) > [EPM](#) > Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State

### Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State

*Electric Power Monthly with data for April 2008*
*Report Released: August 25, 2008*
*Next Release Date: Mid-September 2008*
**Table 5.6.A. xls format Electric Power Monthly**
**Table 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, April 2008 and 2007**  
 (Cents per kilowatthour)

Census Division and State	Residential		Commercial <sup>1</sup>		Industrial <sup>1</sup>		Transportation <sup>[1]</sup>		All Sectors	
	Apr-08	Apr-07	Apr-08	Apr-07	Apr-08	Apr-07	Apr-08	Apr-07	Apr-08	Apr-07
<b>New England</b>	<b>16.89</b>	<b>16.87</b>	<b>14.66</b>	<b>14.52</b>	<b>12.6</b>	<b>12.09</b>	<b>10.96</b>	<b>7.81</b>	<b>15.01</b>	<b>14.87</b>
Connecticut	19.4	19.53	15.63	15.21	13.05	12.67	12.94	13.1	16.55	16.37
Maine	16.36	15.19	12.3	12.01	11.59	11.02	--	--	13.52	12.94
Massachusetts	16.27	16.72	14.99	15.04	13.44	12.66	9.92	5.41	15.09	15.11
New Hampshire	15.22	14.92	13.55	13.96	12.36	12.17	--	--	13.96	13.97
Rhode Island	15.06	14.02	13.35	12.78	12.3	12.22	--	--	13.73	13.17
Vermont	14.74	14.27	12.61	12.39	8.71	8.64	--	--	12.25	11.98
<b>Middle Atlantic</b>	<b>14.31</b>	<b>13.54</b>	<b>13.09</b>	<b>12.35</b>	<b>8.45</b>	<b>8.13</b>	<b>11.69</b>	<b>12.39</b>	<b>12.48</b>	<b>11.88</b>
New Jersey	14.04	12.77	13.64	11.96	10.74	8.56	15.38	12.59	13.38	11.75
New York	17.89	17.09	15.16	14.47	11.86	12.17	12.44	13.35	15.61	15.07
Pennsylvania	11.2	10.75	9.28	9.24	6.98	6.87	7.88	8.84	9.11	8.97
<b>East North Central</b>	<b>10.34</b>	<b>9.73</b>	<b>8.76</b>	<b>8.39</b>	<b>6.31</b>	<b>5.78</b>	<b>7.24</b>	<b>8.23</b>	<b>8.33</b>	<b>7.74</b>
Illinois	11.03	10.03	8.42	8.3	7.67	6.17	6.82	7.9	8.99	7.98
Indiana	9.11	8.64	7.66	7.23	5.42	4.99	9.69	11.2	6.92	6.5
Michigan	10.36	10.04	9.25	9.07	6.88	6.52	13.75	11.17	8.81	8.53
Ohio	10.02	9.55	9.2	8.56	6.08	5.66	10.26	9.63	8.15	7.7
Wisconsin	11.44	10.7	9.24	8.34	6.45	5.91	--	--	8.79	8.09
<b>West North Central</b>	<b>8.36</b>	<b>8.16</b>	<b>6.62</b>	<b>6.51</b>	<b>5.03</b>	<b>4.89</b>	<b>6.24</b>	<b>6.59</b>	<b>6.67</b>	<b>6.5</b>
Iowa	9.65	9.5	6.96	6.86	4.59	4.53	NM	8.37	6.57	6.5
Kansas	8.97	8.42	7.36	6.75	5.5	5.1	--	--	7.26	6.7
Minnesota	9.17	9.13	7.12	7.67	5.49	5.7	7.93	8.04	7.14	7.39
Missouri	7.58	7.3	5.92	5.64	4.51	4.32	4.54	4.85	6.22	5.91
Nebraska	7.32	7.27	6.24	5.95	4.96	4.34	--	--	6.16	5.8
North Dakota	7.31	6.82	6.66	6.17	5.59	5.16	--	--	6.55	6.09
South Dakota	7.92	7.95	6.64	6.34	5.18	4.88	--	--	6.85	6.67
<b>South Atlantic</b>	<b>10.37</b>	<b>9.91</b>	<b>8.94</b>	<b>8.57</b>	<b>5.85</b>	<b>5.4</b>	<b>10.31</b>	<b>9.22</b>	<b>8.82</b>	<b>8.39</b>
Delaware	13.86	12.95	11.67	11.21	9.82	8.23	--	--	11.91	11.01
District of Columbia	11.11	9.83	14.48	11.6	11.04	9.73	12.07	11.89	13.83	11.33
Florida	11.27	11.21	9.82	9.82	7.91	7.73	9.75	9.92	10.32	10.29
Georgia	9.48	9.1	8.82	8.21	6.05	5.48	6.54	6.21	8.24	7.73
Maryland	13.23	9.88	11.78	11.16	10.06	8.86	11.91	9.64	12.18	10.39
North Carolina	9.64	9.56	7.4	7.22	5.25	4.96	6.54	--	7.72	7.49
South Carolina	9.84	9.34	8.11	7.54	4.99	4.49	--	--	7.29	6.76
Virginia	8.9	8.67	6.58	6.24	5.11	4.9	7.11	6.47	7.16	6.84
West Virginia	7.06	6.66	6.05	5.76	4.05	3.78	5.92	9.21	5.42	5.1

<b>East South Central</b>	<b>8.92</b>	<b>8.5</b>	<b>8.45</b>	<b>8.05</b>	<b>5.21</b>	<b>5.02</b>	<b>9.47</b>	<b>10.71</b>	<b>7.14</b>	<b>6.86</b>
Alabama	9.7	9.49	8.8	8.72	5.2	5.09	--	--	7.42	7.28
Kentucky	7.66	7.52	6.89	6.8	4.46	4.43	--	--	5.72	5.69
Mississippi	9.96	9.75	9.36	9.13	6.14	5.82	--	--	8.3	8.05
Tennessee	8.75	7.92	8.8	7.93	5.85	5.38	9.47	10.71	7.72	7.05
<b>West South Central</b>	<b>11.44</b>	<b>11.42</b>	<b>9.84</b>	<b>9.41</b>	<b>7.96</b>	<b>7.07</b>	<b>8.81</b>	<b>8.59</b>	<b>9.67</b>	<b>9.24</b>
Arkansas	9.55	8.63	7.53	6.39	5.66	4.56	--	--	7.4	6.29
Louisiana	10.03	9.71	9.83	9.54	7.6	7	11.95	14.37	8.95	8.55
Oklahoma	9.01	8.89	7.08	6.53	5.33	5.17	--	--	7.16	6.86
Texas	12.43	12.6	10.51	10.13	8.83	7.87	8.59	8.41	10.55	10.2
<b>Mountain</b>	<b>9.51</b>	<b>8.96</b>	<b>8.22</b>	<b>7.59</b>	<b>5.86</b>	<b>5.37</b>	<b>8.28</b>	<b>7.36</b>	<b>7.87</b>	<b>7.3</b>
Arizona	10.01	9.2	8.51	7.77	6.23	5.72	--	--	8.59	7.9
Colorado	10.09	9.39	8.93	7.8	6.44	5.99	8.45	7.35	8.62	7.82
Idaho	6.66	6	5.45	4.84	3.95	3.28	--	--	5.39	4.65
Montana	8.87	8.73	8.44	8.25	6.43	4.98	--	--	7.91	7.31
Nevada	12.53	11.5	10.34	10.1	7.78	7.36	8.83	9.15	9.74	9.26
New Mexico	9.4	8.94	8.21	7.54	5.71	5.38	--	--	7.65	7.16
Utah	7.93	7.78	6.39	6.28	4.53	4.35	7.88	6.94	6.26	6.05
Wyoming	7.92	7.78	6.66	6.21	4.27	3.95	--	--	5.52	5.12
<b>Pacific Contiguous</b>	<b>11.04</b>	<b>11.51</b>	<b>10.33</b>	<b>10.24</b>	<b>7.45</b>	<b>7.29</b>	<b>7.9</b>	<b>6.97</b>	<b>9.97</b>	<b>10.04</b>
California	13.49	14.59	11.43	11.46	9.1	9.25	7.92	6.98	11.59	11.98
Oregon	8.57	7.7	8.2	7.83	4.41	4.2	7.04	6.6	7.4	6.78
Washington	7.49	6.99	6.88	6.5	5.2	4.61	5.59	5.93	6.78	6.27
<b>Pacific Noncontiguous</b>	<b>24.96</b>	<b>19.19</b>	<b>21.24</b>	<b>16.42</b>	<b>21.31</b>	<b>15.08</b>	--	--	<b>22.41</b>	<b>16.89</b>
Alaska	17.17	14.56	13.53	11.76	14.52	11.01	--	--	14.96	12.55
Hawaii	30.31	22.48	27.45	20.38	23.81	16.62	--	--	26.96	19.66
<b>U.S. Total</b>	<b>10.97</b>	<b>10.65</b>	<b>9.77</b>	<b>9.37</b>	<b>6.71</b>	<b>6.19</b>	<b>10.49</b>	<b>10.34</b>	<b>9.26</b>	<b>8.85</b>

[1] See Technical notes for additional information on the Commercial, Industrial and Transportation sectors.

NM = Not meaningful due to large relative standard error or excessive percentage change.

**Notes:** See Glossary for definitions. Values for 2007 and 2008 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. Totals may not equal sum of components because of independent rounding.

**Source:** Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report."

### More Tables on the Average Retail Price of Electricity

### Formats

Table ES. Summary Statistics for the United States	html	pdf	xls
Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector	html		xls
Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date	html		xls
Table ES1.A. Total Electric Power Industry Summary Statistics,	html		xls
Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date	html		xls
Average Price by State by Provider (EIA-861)			xls
Current and Historical Monthly Retail Sales, Revenues and Average Revenue per Kilowatthour by State and by Sector (Form EIA-826)			xls
Form EIA-861 Database			DBF
Table 7.4. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector	html	pdf	xls

"Electric Sales, Revenue and Average Price"

html

see also:

[Electric Power Monthly](#)

[Electric Power Annual](#)

[annual electricity statistics back to 1949](#)

[projected electricity capacity to 2030](#)

[international electricity statistics](#)

**[Contact Us](#) • [Feedback](#) • [Privacy/Security](#) • [Careers](#) • [About EIA](#)**

**[Fedstats](#) • [USA.gov](#) • [Dept. of Energy](#)**



Aloha,

I am here this evening to voice my concerns over the proposed rate hike by Hawaiian Electric. As a business and residential customer I am opposed to this hike for a number of reasons.

First, although the price of crude oil fluctuates and gas prices fluctuate, electric costs only rise.

Second, consumers this year have seen an increase in electric costs anywhere from \$50.00 to \$200.00 in a matter of months.

We all know alternative energy has long been coming, yet we lag behind in using many of the resources available. We have solar and wind power available year round, why we are so slow to implement alternatives. Conserving is a must and while many of us are doing just that, prices with electricity continue to rise. My business electric bill has gone up \$200.00 in four months. Our day to day operations are exactly the same, day in and day out, there is no change in our daily routine, yet my bill keeps rising. I have had an inspector come to the premises to see if there was a problem and what I could do to help reduce costs. He had no answer. I spent over \$2,000.00 on a new refer compressor to help with better energy efficiency, but costs have only risen.

Another concern is it seems that residential and business customers are charged different rates. Did you know that different parts of the island are charged different rates? Why are we being charged different rates? I have HECO bills here that show residential daily charges from \$8.88 per day to \$11.49 per day. I would love a detailed explanation as to why there are price discrepancies.

I currently am paying over \$300.00 per month at my residence. We have three people in our home, we leave our home at 5:00 am and return at 4:00pm daily. All of our appliances are energy efficient, we have solar panels and use the stove 2-3 times a week and hang dry our clothes. What am I paying for? My refrigerator, freezer and four loads of laundry washed in cold water?

We currently pay on each bill; energy charges, interim increases for 2007, interim surcharges, energy cost adjustments, IRP cost recovery and demand charges, most of which I don't even know their meaning. I do not agree with the rate hike. Please do not allow the increase to take place. If we all must live within our means, then so should Hawaiian Electric.

Thank you.  
Holly Reiplinger  
4366 Kilauea Ave.  
Honolulu, Hawaii 96816  
808-349-6129

[illegible]

avg.  
cwa



**Hawaiian Electric Co., Inc.**  
PO Box 3978  
Honolulu, HI 96812-3978

Turn up the thermostat a few degrees to  
SAVE energy and \$\$ on air conditioning.  
Check [www.haco.com](http://www.haco.com) for more tips.

ACCOUNT NUMBER

SERVICE ADDRESS

KUANOO ST

A  
M  
O  
U  
N  
T  
S

08/21/08	BALANCE FROM PREVIOUS BILLING	\$563.77
	PAYMENT - THANK YOU	<u>563.77-</u>
	BALANCE PRIOR TO BILLING	\$0.00
	CURRENT ELECTRIC SERVICE DUE 09/23/08	<u>671.21</u>
	TOTAL AMOUNT DUE	\$671.21

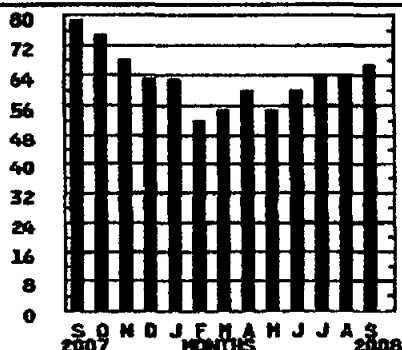
B  
I  
L  
L  
P  
E  
R  
I  
O  
D

R RESIDENTIAL SERVICE  
FROM 08/02/08 TO 09/03/08 32 DAYS

MTR# PX000518728	KILOWATT HOURS
CURRENT READING	26578
PREVIOUS READING	<u>24474</u>
DIFFERENCE	2104
MULTIPLIER	<u>1</u>
USAGE	2,104

B  
I  
L  
L  
D  
E  
T  
A  
I  
L

CUSTOMER CHARGE	\$8.00
NON-FUEL ENERGY	174.62
BASE FUEL ENERGY	187.05
TEMP RATE ADJUSTMENT	0.02-
INTERIM INCREASE 2007	26.32
INTERIM SURCHARGE	0.47
ENERGY COST ADJUSTMENT	252.30
IRP COST RECOVERY	<u>22.47</u>
TOTAL FOR SERVICE	\$671.21

U  
S  
A  
G  
E  
P  
R  
O  
F  
I  
L  
EA  
V  
G  
K  
W  
H  
P  
E  
R  
D  
A  
Y

## ELECTRIC USAGE PROFILE FOR METER PX00518728

DATE	KWH	AMOUNT	DAYS	KWH/DAY	\$/DAY
09/03/08	2104	\$671.21	32	65.8	20.98
08/02/08	1979	563.77	31	63.8	18.19
07/02/08	1862	508.18	29	64.2	17.28
06/03/08	1880	513.15	32	58.8	16.04
05/02/08	1631	428.59	30	54.4	12.29
04/02/08	1721	429.92	29	60.4	12.23
03/04/08	1582	393.76	29	55.5	13.58
02/04/08	1707	411.02	33	51.7	12.46
01/02/08	1842	430.05	30	62.1	14.34
12/03/07	1991	451.43	32	62.2	14.11
11/01/07	2050	455.93	30	68.3	15.20
10/02/07	2345	503.41	30	73.2	15.73
08/31/07	2328	488.75	30	77.6	16.29

WHEN PAYING IN PERSON, PLEASE PRESENT BOTH PORTIONS

098040803 090408 05218 P1



**Hawaiian Electric Co., Inc.**  
PO Box 3978  
Honolulu, HI 96812-3978

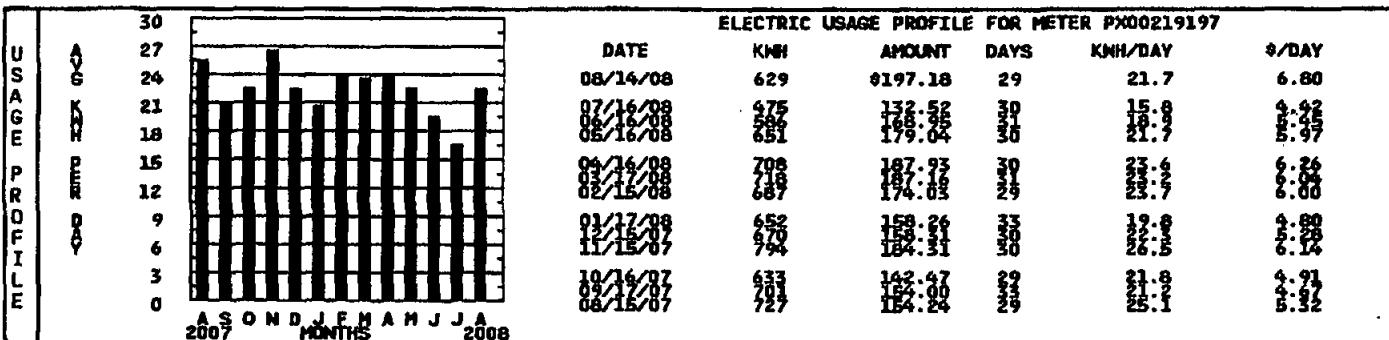
To increase its efficiency, provide  
your air conditioner with shade  
AND plenty of air circulation.

ACCOUNT NUMBER

SERVICE ADDRESS

A M O U N T S	08/05/08	BALANCE FROM PREVIOUS BILLING	\$120.51
		PAYMENT - THANK YOU	120.51-
		BALANCE PRIOR TO BILLING	\$0.00
		CURRENT ELECTRIC SERVICE DUE 09/06/08	197.18
		TOTAL AMOUNT DUE	\$197.18
<p>Hawaii Kai ①</p> <p>AG #482 9.2-08</p>			

B I L L P E R I O D	R RESIDENTIAL SERVICE		B I L L D E T A I L	CUSTOMER CHARGE		\$8.00
	FROM 07/16/08 TO 08/14/08 29 DAYS			NON-FUEL ENERGY		52.20
	MTR# PX000219197 KILOWATT HOURS			BASE FUEL ENERGY		55.92
	CURRENT READING	51669		INTERIM INCREASE 2007		8.27
	PREVIOUS READING	<u>51040</u>		2005 RATE REFUND		4.19-
	DIFFERENCE	629		INTERIM SURCHARGE		0.12
	MULTIPLIER	<u>1</u>		ENERGY COST ADJUSTMENT		70.14
	USAGE	629		IRP COST RECOVERY		<u>6.72</u>
			TOTAL FOR SERVICE		\$197.18	



WHEN PAYING IN PERSON, PLEASE PRESENT BOTH PORTIONS

088130784 081808 06121 P1



**Hawaiian Electric Co., Inc.**  
PO Box 3978  
Honolulu, HI 96812-3978

Hawaii Kai (2)

To increase its efficiency, provide  
your air conditioner with shade  
AND plenty of air circulation.

ACCOUNT NUMBER

SERVICE ADDRESS

NIUMALU LP

08/04/08

BALANCE FROM PREVIOUS BILLING  
PAYMENT - THANK YOU  
BALANCE PRIOR TO BILLING  
CURRENT ELECTRIC SERVICE DUE 09/07/08  
TOTAL AMOUNT DUE

\$526.17  
526.17-  
\$0.00  
322.41  
\$322.41

AMOUNTS

R RESIDENTIAL SERVICE  
FROM 07/16/08 TO 08/14/08 29 DAYS

MTR# [REDACTED] KILOWATT HOURS  
CURRENT READING 65697  
PREVIOUS READING 64651  
DIFFERENCE 1046  
MULTIPLIER 1  
USAGE 1,046

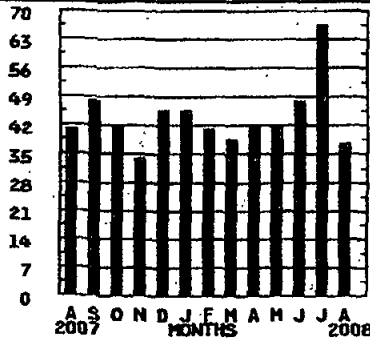
BILL PERIOD

CUSTOMER CHARGE \$8.00  
NON-FUEL ENERGY 86.81  
BASE FUEL ENERGY 92.99  
INTERIM INCREASE 2007 13.37  
2005 RATE REFUND 6.78-  
INTERIM SURCHARGE 0.20  
ENERGY COST ADJUSTMENT 116.64  
IRP COST RECOVERY 11.18  
TOTAL FOR SERVICE \$322.41

DETAIL

USAGE PROFILE

AVG KWH PER DAY



ELECTRIC USAGE PROFILE FOR METER PX00199279

DATE	KWH	AMOUNT	DAYS	KWH/DAY	\$/DAY
08/14/08	1046	\$322.41	29	36.1	11.12
07/16/08	1968	526.17	30	65.6	17.54
06/16/08	1471	411.73	31	47.5	13.29
05/16/08	1239	333.43	30	41.3	11.11
04/16/08	1251	325.85	30	41.7	10.86
03/16/08	1149	292.87	31	37.1	9.51
02/16/08	1119	278.35	29	38.6	9.60
01/17/08	1462	344.84	33	44.3	10.45
12/16/07	1319	303.81	30	44.0	10.13
11/16/07	991	228.08	30	33.0	7.60
10/16/07	1225	268.72	29	42.2	9.27
09/16/07	1563	429.78	33	47.4	10.75
08/16/07	1174	264.49	29	40.5	8.43

WHEN PAYING IN PERSON, PLEASE PRESENT BOTH PORTIONS

PI



**Hawaiian Electric Co., Inc.**  
PO Box 3978  
Honolulu, HI 96812-3978

To increase its efficiency, please  
your air conditioner with shade  
AND plenty of air circulation.

ACCOUNT NUMBER

SERVICE ADDRESS

417 KAIMAKE LP

A  
M  
O  
U  
N  
T  
S

08/01/08

BALANCE FROM PREVIOUS BILLING  
PAYMENT - THANK YOU  
BALANCE PRIOR TO BILLING  
CURRENT ELECTRIC SERVICE DUE 09/02/08  
TOTAL AMOUNT DUE

\$88.74  
88.74  
\$0.00  
108.91  
\$108.91

*Kailua*

B  
I  
L  
L  
P  
E  
R  
I  
O  
D

R RESIDENTIAL SERVICE  
FROM 07/15/08 TO 08/13/08 29 DAYS

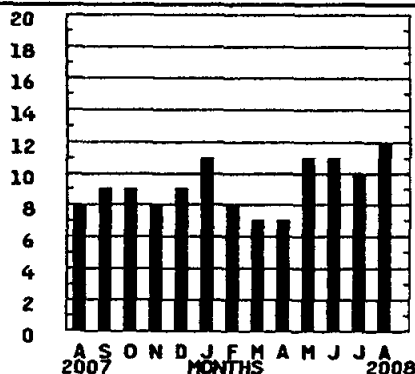
MTR# PX000507478 KILOWATT HOURS  
CURRENT READING 09460  
PREVIOUS READING 09123  
DIFFERENCE 337  
MULTIPLIER 1  
USAGE 337

B  
I  
L  
L  
D  
E  
T  
A  
I  
L

CUSTOMER CHARGE \$8.00  
NON-FUEL ENERGY 27.97  
BASE FUEL ENERGY 29.96  
INTERIM INCREASE 2007 4.69  
2005 RATE REFUND 2.78  
INTERIM SURCHARGE 0.06  
ENERGY COST ADJUSTMENT 37.41  
IRP COST RECOVERY 3.60  
TOTAL FOR SERVICE \$108.91

U  
S  
A  
G  
E  
P  
R  
O  
F  
I  
L  
E

A  
V  
G  
K  
W  
H  
P  
E  
R  
D  
A  
Y



ELECTRIC USAGE PROFILE FOR METER PX000507478

DATE	KWH	AMOUNT	DAYS	KWH/DAY	\$/DAY
08/13/08	337	\$108.91	29	11.6	3.76
07/15/08	307	88.74	32	9.6	2.77
06/13/08	319	95.28	30	10.6	3.18
05/14/08	319	91.62	30	10.6	3.05
04/14/08	204	59.79	31	6.6	1.93
03/14/08	212	60.93	30	7.1	2.07
02/14/08	249	68.06	30	8.3	2.27
01/15/08	366	92.26	32	11.4	3.58
12/14/07	272	67.06	30	9.1	2.50
11/14/07	245	62.51	30	8.2	2.08
10/15/07	286	68.34	32	8.9	2.14
09/13/07	279	63.94	31	9.0	2.12
08/13/07	253	58.27	31	8.2	1.88

WHEN PAYING IN PERSON, PLEASE PRESENT BOTH PORTIONS



Hawaiian Electric Co., Inc.  
PO Box 3978  
Honolulu, HI 96812-3978

*Salt Lake*

Turn up the thermostat a few degrees to  
SAVE energy \$\$\$ on air conditioning.  
Check [www.heco.com](http://www.heco.com) for more tips.

ACCOUNT NUMBER

SERVICE ADDRESS

**08/23/08**

BALANCE FROM PREVIOUS BILLING  
PAYMENT - MAKE YOU  
BALANCE PRIOR TO BILLING  
CURRENT ELECTRIC SERVICE  
BILL WILL BE PAID BY BANK ON 09/19/08

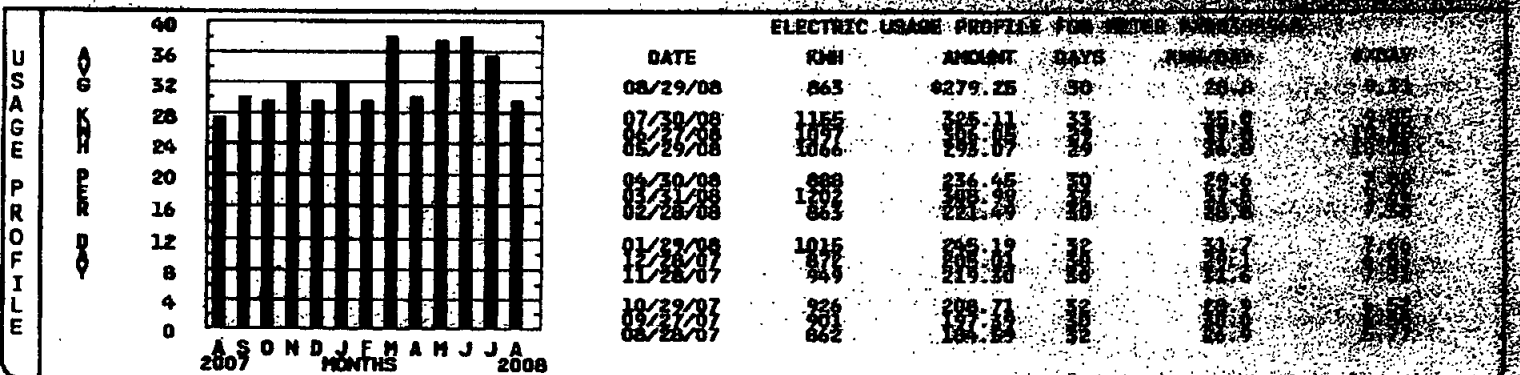
**R RESIDENTIAL SERVICE**  
FROM 07/30/08 TO 08/29/08 30 DAYS

MTR# P0000395568 KILOWATT HOURS

CURRENT READING	75565
PREVIOUS READING	74702
DIFFERENCE	863
MULTIPLIER	1
USAGE	863

**CUSTOMER CHARGE**

NON-FUEL ENERGY  
BASE FUEL ENERGY  
ENERGY COST ADJUSTMENT  
ENERGY SURCHARGE  
ENERGY COST RECOVERY  
TOTAL FOR SERVICE



WHEN PAYING IN PERSON, PLEASE PRESENT BOTH PORTIONS

090208 07003 P1 T

PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT



Hawaiian Electric Co., Inc.  
PO Box 3978  
Honolulu, HI 96812-3978  
Telephone (808) 548-7311  
Fax Number (808) 543-7799

ACCOUNT NUMBER

[REDACTED]

TOTAL AMOUNT DUE

\$279.25

AMOUNT ENCLOSED

TO BE PAID BY BANK PLAN ON 09/19/08

DATE DUE

PLEASE MAKE CHECKS  
PAYABLE TO:

HECO  
PO Box 3978  
Honolulu, HI 96812-3978



PO Box 3978  
Honolulu, HI 96812-3978

Long's District Office Fax:808-841-6230

Sep 17 2008 07:18am P001/001

your air conditioner with shade  
AND plenty of air circulation.

ACCOUNT NUMBER

SERVICE ADDRESS

144 WALKER AV

07/30/08

BALANCE FROM PREVIOUS BILLING  
PAYMENT - THANK YOU  
BALANCE PRIOR TO BILLING  
CURRENT ELECTRIC SERVICE DUE 08/27/08  
TOTAL AMOUNT DUE

\$145.50  
145.50-  
\$0.00  
149.50  
\$149.50

wahiawa ①

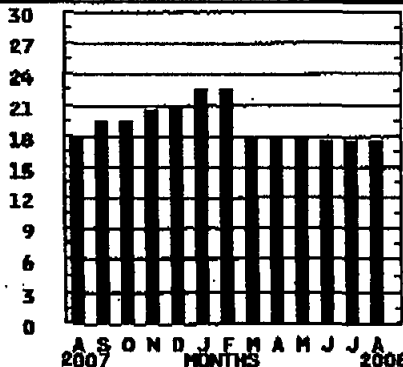
R RESIDENTIAL SERVICE  
FROM 07/09/08 TO 08/07/08 29 DAYS

MTR# PX000341465 KILOWATT HOURS  
CURRENT READING 60716  
PREVIOUS READING 60227  
DIFFERENCE 489  
MULTIPLIER 1  
USAGE 489

CUSTOMER CHARGE \$8.00  
NON-FUEL ENERGY 40.58  
BASE FUEL ENERGY 43.47  
INTERIM INCREASE 2007 6.55  
2005 RATE REFUND 7.20  
INTERIM SURCHARGE 0.08  
ENERGY COST ADJUSTMENT 52.80  
IRP COST RECOVERY 5.22  
TOTAL FOR SERVICE \$149.50

USAGE PROFILE

00 KWH/DAY



ELECTRIC USAGE PROFILE FOR METER PX000341465

DATE	KWH	AMOUNT	DAYS	KWH/DAY	\$/DAY
08/07/08	489	\$149.50	29	16.9	5.16
07/07/08	518	145.50	30	17.3	4.85
06/07/08	520	145.50	30	17.3	4.81
05/07/08	539	148.33	30	18.0	4.94
04/07/08	516	138.38	29	17.8	4.77
03/07/08	521	137.85	29	18.0	4.75
02/07/08	714	178.72	33	21.6	5.42
01/07/08	656	158.04	30	21.9	5.27
12/06/07	683	160.71	30	22.8	4.87
11/06/07	555	130.20	28	19.8	4.65
10/06/07	619	138.91	33	18.8	4.21
09/06/07	581	128.18	30	19.4	4.13
08/06/07	533	113.58	29	18.4	3.92



Wahlawa

(2)



**Hawaiian Electric Co., Inc.**  
PO Box 3978  
Honolulu, HI 96812-3978

Turn up the thermostat a few degrees to  
**SAVE** energy and \$\$ on air conditioning.  
Check [www.heco.com](http://www.heco.com) for more tips.

ACCOUNT NUMBER

SERVICE ADDRESS

PAGE 1 OF 2

51 LEILEHUA RD

A  
M  
O  
U  
N  
T  
S

OVERDUE BALANCE PRIOR TO BILLING DUE NOW  
CURRENT ELECTRIC SERVICE  
OTHER SERVICES  
CURRENT CHARGES DUE 09/29/08  
TOTAL AMOUNT DUE

99.83

5.00

\$151.55

96.83

\$248.58

B  
I  
L  
L  
P  
E  
R  
I  
O  
D

R RESIDENTIAL SERVICE  
FROM 08/07/08 TO 09/09/08 33 DAYS

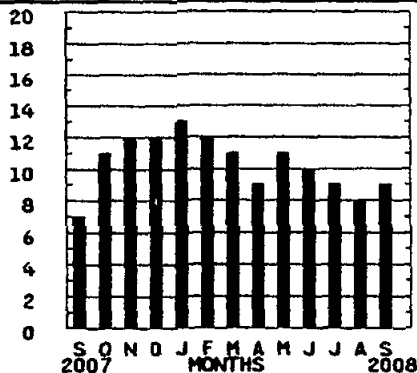
MTR# PX000153366 KILOWATT HOURS  
CURRENT READING 69856  
PREVIOUS READING 69568  
DIFFERENCE 288  
MULTIPLIER 1  
USAGE 288

B  
I  
L  
L  
D  
E  
T  
A  
I  
L

CUSTOMER CHARGE \$8.00  
NON-FUEL ENERGY 23.90  
BASE FUEL ENERGY 25.60  
TEMP RATE ADJUSTMENT 0.01  
INTERIM INCREASE 2007 4.09  
INTERIM SURCHARGE 0.05  
ENERGY COST ADJUSTMENT 34.99  
IRP COST RECOVERY 3.21  
TOTAL FOR SERVICE 99.83

U  
S  
A  
G  
E  
P  
R  
O  
F  
I  
L  
E

A  
V  
G  
K  
W  
H  
P  
E  
R  
D  
A  
Y



ELECTRIC USAGE PROFILE FOR METER PX00153366

DATE	KWH	AMOUNT	DAYS	KWH/DAY	\$/DAY
09/09/08	288	\$99.83	33	8.7	3.03
08/07/08	236	76.27	29	8.1	2.63
07/09/08	277	81.28	30	9.2	2.71
06/09/08	311	92.49	31	10.0	2.98
05/09/08	316	90.31	30	10.5	3.01
04/09/08	322	77.02	29	9.4	2.86
03/11/08	325	89.02	29	11.2	3.07
02/11/08	405	104.88	33	12.3	3.18
01/09/08	390	97.23	30	13.0	3.24
12/10/07	397	96.61	31	12.8	2.93
11/07/07	329	80.35	28	11.8	2.87
10/10/07	325	87.08	30	10.8	2.64
09/07/07	231	55.44	31	7.5	1.79



Hawaiian Electric Co., Inc.  
PO Box 3978  
Honolulu, HI 96812-3978

To increase its efficiency, provide  
your air conditioner with shade  
AND plenty of air circulation.

ACCOUNT NUMBER

SERVICE ADDRESS

4366 KILAUEA AV

AMOUNTS

08/07/08 BALANCE FROM PREVIOUS BILLING \$242.35  
PAYMENT - THANK YOU 242.35-  
BALANCE PRIOR TO BILLING \$0.00  
CURRENT ELECTRIC SERVICE 303.19  
BILL WILL BE PAID BY BANK ON 09/08/08 \$303.19

Waialae

BILL PERIOD

R RESIDENTIAL SERVICE  
FROM 07/17/08 TO 08/18/08 32 DAYS

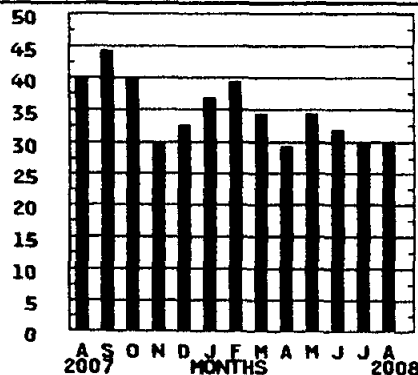
MTR# PX000466641 KILOWATT HOURS  
CURRENT READING 47780  
PREVIOUS READING 46807  
DIFFERENCE 973  
MULTIPLIER 1  
USAGE 973

BILL DETAIL

CUSTOMER CHARGE \$8.00  
NON-FUEL ENERGY 80.75  
BASE FUEL ENERGY 86.50  
INTERIM INCREASE 2007 12.48  
2005 RATE REFUND 4.78-  
INTERIM SURCHARGE 0.20  
ENERGY COST ADJUSTMENT 109.64  
IRP COST RECOVERY 10.40  
TOTAL FOR SERVICE \$303.19

USAGE PROFILE

AVG KWH PER DAY



ELECTRIC USAGE PROFILE FOR METER PX00466641

DATE	KWH	AMOUNT	DAYS	KWH/DAY	\$/DAY
08/18/08	973	\$303.19	32	30.4	9.47
07/17/08	893	242.35	30	29.8	8.08
06/17/08	895	254.67	29	30.9	8.78
05/19/08	1049	284.18	32	32.8	8.88
04/17/08	844	222.66	30	28.1	7.42
03/18/08	923	258.48	38	23.0	8.52
02/19/08	1223	304.77	32	38.2	9.52
01/18/08	1149	273.21	32	35.9	8.54
12/17/07	999	232.25	31	32.2	7.49
11/16/07	910	210.35	30	30.3	7.01
10/17/07	1166	256.21	30	38.9	8.54
09/17/07	1414	303.07	33	42.8	9.18
08/15/07	1150	239.66	29	39.7	8.26

WHEN PAYING IN PERSON PLEASE PRESENT BOTH PORTIONS

Waialae-iki



Hawaiian Electric Co., Inc.  
PO Box 3978  
Honolulu, HI 96812-3978

To increase its efficiency, provide  
your air conditioner with shade  
AND plenty of air circulation.

ACCOUNT NUMBER

SERVICE ADDRESS

PAGE 1 OF 2

BALANCE FROM PREVIOUS BILLING		
PAYMENTS - THANK YOU		
BALANCE PRIOR TO BILLING		
CURRENT ELECTRIC SERVICE		
OTHER SERVICES		
CURRENT CHARGES		
BILL WILL BE PAID BY BANK ON 09/08/08		\$142.02

RESIDENTIAL SERVICE		
08/12/08 TO 08/18/08 332 DAYS		
ACCOUNT NO. 000020140	KILOWATT HOURS	
CURRENT READING	38428	
PREVIOUS READING	37977	
DIFFERENCE	451	

CUSTOMER CHARGE	48.08
NON-FUEL ENERGY	57.43
BASE FUEL ENERGY	49.10
INTERIM INCREASE 2007	2.09
2005 RATE REFUND	0.00
INTERIM SURCHARGE	0.00
ENERGY COST ADJUSTMENT	0.00
IMP. COST RECOVERY	0.00
TOTAL FOR SERVICE	\$142.02

DATE	KWH	AMOUNT	DAYS	PER DAY	PER DAY
08/12/08	481	\$142.02	32	\$4.44	\$4.44
08/13/08	481	\$142.02	32	\$4.44	\$4.44
08/14/08	481	\$142.02	32	\$4.44	\$4.44
08/15/08	481	\$142.02	32	\$4.44	\$4.44
08/16/08	481	\$142.02	32	\$4.44	\$4.44
08/17/08	481	\$142.02	32	\$4.44	\$4.44
08/18/08	481	\$142.02	32	\$4.44	\$4.44

WHEN PAYING IN PERSON, PLEASE PRESENT BOTH PORTIONS  
PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT



Hawaiian Electric Co., Inc.  
PO Box 3978  
Honolulu, HI 96812-3978  
Telephone (808) 548-7311  
Fax Number (808) 543-7799

ACCOUNT NUMBER

TOTAL AMOUNT DUE

\$142.02

TO BE PAID BY BANK PLAN ON 09/08/08

AMOUNT ENCLOSED



Hawaiian Electric Co., Inc.  
PO Box 3978  
Honolulu, HI 96812-3978

To increase its efficiency, provide  
your air conditioner with shade  
AND plenty of air circulation.

ACCOUNT NUMBER

SERVICE ADDRESS

69 N BERETANIA ST \*

A  
M  
O  
U  
N  
T  
S

08/18/08 BALANCE FROM PREVIOUS BILLING \$826.29  
PAYMENT - THANK YOU 826.29-  
BALANCE PRIOR TO BILLING \$0.00  
CURRENT ELECTRIC SERVICE DUE 09/14/08 866.36  
TOTAL AMOUNT DUE \$866.36

chinatown  
august

04500FHB 0450013 T05 09/15/08 10:26A  
000000088242473005 \$866.36+  
271HS CHECK PNT

B  
I  
L  
L  
P  
E  
R  
I  
O  
D

G GENERAL SERVICE  
FROM 07/25/08 TO 08/25/08 31 DAYS

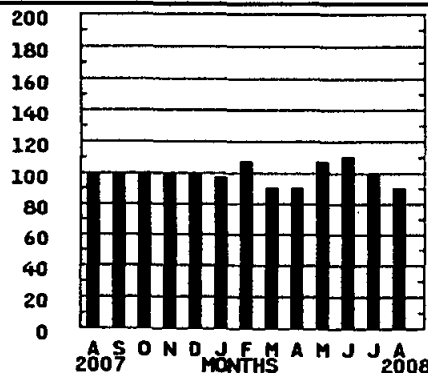
MTR# PX000415843 KILOWATT HOURS  
CURRENT READING 48787  
PREVIOUS READING 45953  
DIFFERENCE 2834  
MULTIPLIER 1  
USAGE 2,834

B  
I  
L  
L  
D  
E  
T  
A  
I  
L

CUSTOMER CHARGE \$30.00  
ENERGY CHARGE 465.36  
INTERIM INCREASE 2007 34.92  
INTERIM SURCHARGE 0.65  
ENERGY COST ADJUSTMENT 329.47  
IRP COST RECOVERY 5.96  
TOTAL FOR SERVICE \$866.36

U  
S  
A  
G  
E  
P  
R  
O  
F  
I  
L  
E

A  
G  
K  
W  
H  
P  
E  
R  
D  
A  
Y



ELECTRIC USAGE PROFILE FOR METER PX00415843

WHEN PAYING IN PERSON. PLEASE PRESENT BOTH PORTIONS



Hawaiian Electric Co., Inc.  
PO Box 3978  
Honolulu, HI 96812-3978

*Kalihi*

**REPAIR HOT WATER LEAKS**  
Hot water leaks are a frequent cause of  
Extreme increases in energy costs.

ACCOUNT NUMBER

SERVICE ADDRESS

1648 AUIKI ST

07/09/08

BALANCE FROM PREVIOUS BILLING  
PAYMENT - THANK YOU  
BALANCE PRIOR TO BILLING  
CURRENT ELECTRIC SERVICE DUE 08/17/08  
TOTAL AMOUNT DUE

\$1,902.44  
1,902.44-  
\$0.00  
1,871.17  
\$1,871.17

**RECEIVED**  
JUL 30 2008

A  
M  
O  
U  
N  
T  
S

J GENERAL SERVICE-DEMAND  
FROM 06/25/08 TO 07/28/08 33 DAYS

MTR# PX000484693 KILOWATT HOURS  
CURRENT READING 28116  
PREVIOUS READING 21281  
DIFFERENCE 6835  
MULTIPLIER 1  
USAGE 6,835

DEMAND READING KILOWATTS 26.173  
MULTIPLIER 1  
MEASURED DEMAND 26.2  
BILLING DEMAND 29.7

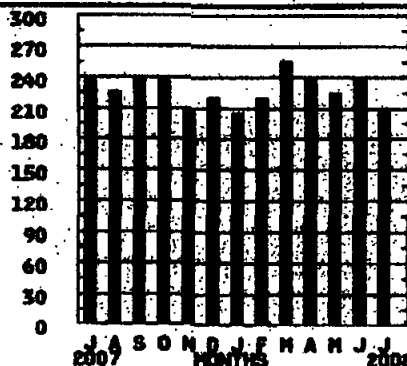
B  
I  
L  
L  
P  
E  
R  
I  
O  
D

CUSTOMER CHARGE \$70.00  
DEMAND CHARGE 252.45  
ENERGY CHARGE 918.71  
INTERIM INCREASE 2007 73.97  
2005 RATE REFUND 153.64-  
INTERIM SURCHARGE 1.21  
ENERGY COST ADJUSTMENT 694.09  
IRP COST RECOVERY 14.38  
TOTAL FOR SERVICE \$1,871.17

B  
I  
L  
L  
D  
E  
T  
A  
I  
L

U  
S  
A  
G  
E  
P  
R  
O  
F  
I  
L  
E

A  
O  
C  
K  
R  
E  
P  
O  
R  
T



ELECTRIC USAGE PROFILE FOR METER PX000484693

DATE	KWH	AMOUNT	DAYS	KWH/DAY	\$/DAY
07/28/08	6835	\$1,871.17	33	207.1	\$56.70
06/25/08	6835	1,205.34	22	240.6	\$65.62
06/26/08	6925	1,772.48	29	238.8	\$61.12
03/27/08	7732	1,738.30	30	257.7	\$69.61
01/28/08	6520	1,827.43	32	263.8	\$78.98
11/27/07	6481	1,566.29	30	216.0	\$59.76
10/26/07	7014	1,827.31	30	233.8	\$63.91
02/26/07	7163	1,506.20	30	238.8	\$65.23
07/26/07	6487	1,308.29	28	231.7	\$63.72

WHEN PAYING IN PERSON, PLEASE PRESENT BOTH PORTIONS

088241892 072908 06813 P1